

4/6/2-18

P/w APR 09 2018

[Dart Hawkesbury] Job Sheet - Gagnon-Donovan, Michelle



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

*MUST ship  
Apr. 20th*

*602561*

**D206-642-313**  
**Job Sheet 175585**



Part No: D206-642-313

Job Qty: 1 ea

Part Name: Skidtube LH, Low &amp; High Gear with Run-on Landing Wearplates



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 4/6/18

Job Tracking No:

Due Date: 4/18/18

Created By: Michelle Gagnon-Donovan

Type: SOLD

Description:

Note: DWG REV Q SHEETS 29-30 IPP REV:A 11.11.18 NEW ISSUE DD VERF:

Ship Via:

### Bill of Materials

### Job Routing

| Op No | Operation          | Qty   | Start Date | Due Date | Standard  |         | Workcenter/Supplier   |           | Sign-off              |
|-------|--------------------|-------|------------|----------|-----------|---------|-----------------------|-----------|-----------------------|
|       |                    |       |            |          | Setup hrs | Run Hrs | Workcenter / Supplier | Lead Time |                       |
| 90    | Start up Operation | 1 Ea  | 4/18/18    | 4/18/18  | 0.00      | 0.00    | Start Up Stores/Pkg-1 |           | <i>APR 17 2018</i>    |
| 110   | Packaging          | 1 pcs | 4/18/18    | 4/18/18  | 0.00      | 0.00    | Packaging1-2          |           | <i>APR 17 2018</i>    |
| 120   | QC                 | 1 pcs | 4/18/18    | 4/18/18  | 0.00      | 0.00    | QC4                   |           |                       |
| 125   | DC                 | 1 pcs | 4/18/18    | 4/18/18  | 0.00      | 0.00    | DC                    |           | <i>DAS</i>            |
| 130   | Packaging          | 1 pcs | 4/18/18    | 4/18/18  | 0.00      | 0.00    | Packaging3-1          |           | <i>58 APR 18 2018</i> |
| 140   | QC21-FG            | 1 Ea  | 4/18/18    | 4/18/18  | 0.00      | 0.00    | QC21                  |           | <i>58 9-89</i>        |

Part Op 110 - Pick Kit

Descriptions: 120 - QC4- 100% Inspect kits for completeness

125 - Document Control Photocopy bluefile and create labels per PPP D206-642-313 CHG001

130 - Identify as per dwg &amp; Stock Location: \_\_\_\_\_

Identify and pack for shipping as per PPP D206-642-313 Location:

PPP Rev: \_\_\_\_\_

140 - QC21- Final Inspection - Work Order Reli



Container No: S061788



Part: D206-642-313

Job No: 175585

Serial No/Batch: S061788

Revision:

Inspector:

Dart Aerospace Ltd.  
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Date: 04/17/18

*5059444x1xL1*

## Job BOM

| Part / Item          | Component Name                                                                 | Quantity      | Operation                | Container |
|----------------------|--------------------------------------------------------------------------------|---------------|--------------------------|-----------|
| AN3-41A              | Bolt                                                                           | 8 Ea (8 ea)   | 90-Start up<br>Operation | 5038750   |
| AN4-6A               | Bolt                                                                           | 12 Ea (12 ea) | 90-Start up<br>Operation | 5044186   |
| AN4C5A               | Bolt                                                                           | 1 Ea (1 ea)   | 90-Start up<br>Operation | 5019407   |
| AN5-10A              | Bolt                                                                           | 4 Ea (4 ea)   | 90-Start up<br>Operation | 5017095   |
| AN5-11A              | Bolt                                                                           | 8 Ea (8 ea)   | 90-Start up<br>Operation | 5003927   |
| AN5-12A              | Bolt                                                                           | 4 Ea (4 ea)   | 90-Start up<br>Operation | 5003926   |
| D206-642-351         | Replacement Skidtube, Low & High Gear, Run-on Landing Wearplates Fits LH or RH | 1 Ea (1 ea)   | 90-Start up<br>Operation | 5055311   |
| D206-648-013         | Ground Handling Wheel Modification                                             | 1 Ea (1 ea)   | 90-Start up<br>Operation | 5160657   |
| D2652                | Bushing                                                                        | 16 Ea (16 ea) | 90-Start up<br>Operation | 5043981   |
| D2712                | Set Screw                                                                      | 10 Ea (10 ea) | 90-Start up<br>Operation | 5031303   |
| D2932-1              | Saddle LH Out, 206                                                             | 1 Ea (1 ea)   | 90-Start up<br>Operation | 5059221   |
| D2933-1              | Saddle LH In, 206                                                              | 1 Ea (1 ea)   | 90-Start up<br>Operation | 5059222   |
| D2934                | Saddle Spacer                                                                  | 2 Ea (2 ea)   | 90-Start up<br>Operation | 5014623   |
| D2935                | Saddle Spacer                                                                  | 2 Ea (2 ea)   | 90-Start up<br>Operation | 5054582   |
| D2938-1              | Saddle LH Out, 206                                                             | 1 Ea (1 ea)   | 90-Start up<br>Operation | 5059228   |
| D2939-1              | Saddle LH In, 206                                                              | 1 Ea (1 ea)   | 90-Start up<br>Operation | 5059230   |
| D3407-043            | Tow Ring                                                                       | 1 Ea (1 ea)   | 90-Start up<br>Operation | 5159457   |
| D3413-1              | O-Ring                                                                         | 1 Ea (1 ea)   | 90-Start up<br>Operation | 5159722   |
| D3456-1              | Washer                                                                         | 1 Ea (1 ea)   | 90-Start up<br>Operation | 5050328   |
| D3457-1              | Washer                                                                         | 2 Ea (2 ea)   | 90-Start up<br>Operation | 5035433   |
| MS21042L3            | Nut                                                                            | 8 Ea (8 ea)   | 90-Start up<br>Operation | 5038764   |
| MS21042L4            | Nut                                                                            | 12 Ea (12 ea) | 90-Start up<br>Operation | 5045901   |
| MS21043-4            | Nut                                                                            | 1 Ea (1 ea)   | 90-Start up<br>Operation | 5038086   |
| NAS1149C0463R Washer |                                                                                | 1 Ea (1 ea)   | 90-Start up<br>Operation | 5019381   |
| NAS1149D0363J Washer |                                                                                | 8 Ea (8 ea)   | 90-Start up<br>Operation | 5015269   |
| NAS1149D0463J Washer |                                                                                | 24 Ea (24 ea) | 90-Start up<br>Operation | 5045845   |
| NAS1149D0563J Washer |                                                                                | 8 Ea (8 ea)   | 90-Start up<br>Operation | 5039036   |

**Job Allocations**

| Operation             | Component Part | Required | Inventory | Allocated |
|-----------------------|----------------|----------|-----------|-----------|
| 90-Start up Operation | AN3-41A        | 8        | 259       | 0         |
|                       | AN4-6A         | 12       | 1,030     | 0         |
|                       | AN4C5A         | 1        | 117       | 0         |
|                       | AN5-10A        | 4        | 227       | 0         |
|                       | AN5-11A        | 8        | 221       | 0         |
|                       | AN5-12A        | 4        | 408       | 0         |
|                       | D206-642-351   | 1        | 2         | 0         |
|                       | D206-648-013   | 1        | 1         | 0         |
|                       | D2652          | 16       | 1,000     | 0         |
|                       | D2712          | 10       | 381       | 0         |
|                       | D2932-1        | 1        | 0         | 0         |
|                       | D2933-1        | 1        | 0         | 0         |
|                       | D2934          | 2        | 82        | 0         |
|                       | D2935          | 2        | 62        | 0         |
|                       | D2938-1        | 1        | 0         | 0         |
|                       | D2939-1        | 1        | 0         | 0         |
|                       | D3407-043      | 1        | 11        | 0         |
|                       | D3413-1        | 1        | 39        | 0         |
|                       | D3456-1        | 1        | 131       | 0         |
|                       | D3457-1        | 2        | 39        | 0         |
|                       | MS21042L3      | 8        | 2,563     | 0         |
|                       | MS21042L4      | 12       | 3,861     | 0         |
|                       | MS21043-4      | 1        | 795       | 0         |
|                       | NAS1149C0463R  | 1        | 324       | 0         |
|                       | NAS1149D0363J  | 8        | 2,883     | 0         |
|                       | NAS1149D0463J  | 24       | 5,730     | 0         |
|                       | NAS1149D0563J  | 8        | 1,794     | 0         |

**Part Specifications**

Specifications could not be found.

Plex 4/6/18 2:34 PM Dart.Gagnon.Michelle

## 4.5 206 L/L-1/L-3/L-4/407 LOW &amp; HIGH GEAR SKIDTUBES

REFERENCE ONLY

| ITEM | QTY<br>-311 | QTY<br>-312 | QTY<br>-313 | QTY<br>-314 | QTY<br>-341 | QTY<br>-357 | QTY<br>-349 | QTY<br>-351 | QTY<br>-013 | PART NUMBER          | DESCRIPTION                                                                 |
|------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|----------------------|-----------------------------------------------------------------------------|
|      | X           |             |             |             |             |             |             |             |             | D206-642-311         | SKIDTUBE INSTALLATION, LH                                                   |
|      |             | X           |             |             |             |             |             |             |             | D206-642-312         | SKIDTUBE INSTALLATION, RH                                                   |
|      |             |             | X           |             |             |             |             |             |             | D206-642-313         | SKIDTUBE INSTALLATION, LH                                                   |
|      |             |             |             | X           |             |             |             |             |             | D206-642-314         | SKIDTUBE INSTALLATION, RH                                                   |
| 1    | 1           | 1           |             |             | X           |             |             |             |             | D206-642-341         | SKIDTUBE                                                                    |
|      |             |             |             |             |             | X           |             |             |             | D206-642-357         | WEARSHOE KIT (REPLACES -347)                                                |
|      |             |             |             |             |             |             | X           |             |             | D206-642-349         | RUN-ON LANDING WEARPLATE KIT                                                |
|      |             |             | 1           | 1           |             |             |             | X           |             | D206-642-351         | SKIDTUBE                                                                    |
| 1    | 1           | 1           | 1           | 1           |             |             |             |             | X           | D206-648-013         | GROUND HANDLING KIT                                                         |
| 1    |             |             |             |             | 1           |             |             |             |             | D2650-5              | SKIDTUBE ASSEMBLY                                                           |
| 1    |             |             |             |             |             |             |             | 1           |             | D4361-041            | SKIDTUBE ASSEMBLY                                                           |
| 2A   |             |             |             |             | 14          |             |             | 4           |             | D2651-1              | * PLUG <sup>(1)</sup>                                                       |
| 2B   |             |             |             |             | 14          |             |             | 4           |             | D2651-3              | * O-RING <sup>(1)</sup>                                                     |
| 3    |             |             |             |             | 1           |             |             | 1           |             | D2646                | * AFT CAP <sup>(1)</sup>                                                    |
| 4    |             |             |             |             | 2           |             |             | 2           |             | MS27039-1-08         | * SCREW <sup>(1)</sup>                                                      |
| 5    |             |             |             |             | 2           |             |             | 2           |             | NAS1149D0332J        | * WASHER <sup>(1)</sup> (OR AN960JD10L)                                     |
| 6    | 1           |             | 1           |             |             |             |             |             |             | D2932-1              | SADDLE, FWD OUT, LH                                                         |
| 6    |             | 1           |             | 1           |             |             |             |             |             | D2932-2              | SADDLE, FWD OUT, RH                                                         |
| 7    | 1           |             | 1           |             |             |             |             |             |             | D2933-1              | SADDLE, FWD IN, LH                                                          |
| 7    |             | 1           |             | 1           |             |             |             |             |             | D2933-2              | SADDLE, FWD IN, RH                                                          |
| 8    | 1           |             | 1           |             |             |             |             |             |             | D2938-1              | SADDLE, AFT OUT, LH                                                         |
| 8    |             | 1           |             | 1           |             |             |             |             |             | D2938-2              | SADDLE, AFT OUT, RH                                                         |
| 9    | 1           |             | 1           |             |             |             |             |             |             | D2939-1              | SADDLE, AFT IN, LH                                                          |
| 9    |             | 1           |             | 1           |             |             |             |             |             | D2939-2              | SADDLE, AFT IN, RH                                                          |
| 10   | 8           | 8           | 8           | 8           |             |             |             |             |             | AN3-41A              | BOLT                                                                        |
| 11   | 16          | 16          | 16          | 16          |             |             |             |             |             | D2652                | BUSHING                                                                     |
| 12A  | 8           | 8           | 8           | 8           |             |             |             |             |             | MS21042-3            | NUT (OR MS21042L3)                                                          |
| 12B  | 8           | 8           | 8           | 8           |             |             |             |             |             | NAS1149D0363J        | WASHER (OR AN960JD10)                                                       |
| 13   | 4           | 4           | 4           | 4           |             |             |             |             |             | AN5-10A (OR AN5-11A) | * BOLT <sup>(2)</sup>                                                       |
| 14   | 4           | 4           | 4           | 4           |             |             |             |             |             | AN5-11A (OR AN5-12A) | * BOLT <sup>(2)</sup>                                                       |
| 15   | 8           | 8           | 8           | 8           |             |             |             |             |             | NAS1149D0563J        | WASHER (OR AN960JD516)                                                      |
| 16   | 12          | 12          | 12          | 12          |             |             |             |             |             | AN4-6A               | BOLT                                                                        |
| 17   | 24          | 24          | 24          | 24          |             |             |             |             |             | NAS1149D0463J        | WASHER (OR AN960JD416)                                                      |
| 18   | 12          | 12          | 12          | 12          |             |             |             |             |             | MS21042-4            | NUT (OR MS21042L4)                                                          |
| 20A  |             |             |             |             | 6           | 6           |             |             |             | D3537-1              | WEARPAD (REPLACES D2648-3)                                                  |
| 21A  |             |             |             |             | 1           | 1           |             |             |             | D3537-3              | WEARPAD (REPLACES D3429-1)                                                  |
| 22A  |             |             |             |             | 1           | 1           |             |             |             | D4958-11             | WEARSHOE (REPLACES D3535-11 + D3536-11)                                     |
| 23A  |             |             |             |             | 1           | 1           |             |             |             | D4958-23             | WEARSHOE (REPLACES D3535-23 + D3536-23)                                     |
| 24A  |             |             |             |             | 1           | 1           |             |             |             | D4958-35             | WEARSHOE (REPLACES D3535-35 + D3536-35)                                     |
| 26A  |             |             |             |             | 54          | 54          |             |             |             | MS27039C1-08         | SCREW                                                                       |
| 26B  |             |             |             |             | 54          | 54          |             |             |             | NAS1149C0332R        | WASHER (OR AN960C10L)                                                       |
| 26C  |             |             |             |             | 54          |             |             |             |             | ALS7-1032-130        | * INSERT <sup>(1)</sup><br>(or AKS4-1032-130, ALS4-1032-130, AELS-1032-130) |
| 30   | 1           | 1           | 1           | 1           |             |             |             |             |             | D3407-043            | TOW RING ASSEMBLY (REPLACES D2968-043)                                      |
| 32A  | 1           | 1           | 1           | 1           |             |             |             |             |             | D3456-1              | WASHER                                                                      |
| 32B  | 2           | 2           | 2           | 2           |             |             |             |             |             | D3457-1              | WASHER                                                                      |
| 33   | 1           | 1           | 1           | 1           |             |             |             |             |             | MS21043-4            | NUT                                                                         |
| 34   | 1           | 1           | 1           | 1           |             |             |             |             |             | AN4C5A               | BOLT                                                                        |
| 35   | 1           | 1           | 1           | 1           |             |             |             |             |             | NAS1149C0463R        | WASHER (OR AN960C416)                                                       |
| 36   | 1           | 1           | 1           | 1           |             |             |             |             |             | D3413-1              | RING (REPLACES D2655)                                                       |
| 37   | 10          | 10          | 10          | 10          |             |             |             |             |             | D2712                | SET SCREW                                                                   |
| 38   | 2           | 2           | 2           | 2           |             |             |             |             |             | D2934                | SADDLE SPACER                                                               |
| 39   | 2           | 2           | 2           | 2           |             |             |             |             |             | D2935                | SADDLE SPACER                                                               |
| 40   |             |             |             |             |             |             |             |             | 2           | D3414-041            | GHW LUG (REPLACES D2659)                                                    |
| 41   |             |             |             |             |             |             |             |             | 4           | AN3C37A              | BOLT                                                                        |
| 42   |             |             |             |             |             |             |             |             | 8           | D2652                | BUSHING                                                                     |
| 43   |             |             |             |             |             |             |             |             | 4           | MS21043-3            | NUT                                                                         |
| 44   |             |             |             |             |             |             |             |             | 4           | NAS1149C0363R        | WASHER (OR AN960C10)                                                        |

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Revision: Q

Date: 13.08.12

## Change Record

PAGE 1 OF 1

Part Number: D206-642-313/-314

Description: SKIDTUBE , LH/RH

[illegible]

DQA: \_\_\_\_\_ Date: \_\_\_\_\_

## WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: \_\_\_\_\_ Date: \_\_\_\_\_

Work Order update only ☐

|                                                              |                                             |                                                                                                                                                                                    |                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                           |                                 |                                   |                                                                                                                    |                                 |                                        |                                             |                                   |                                       |                                                |                                    |                                |                                               |                                        |                                   |                                 |                                               |                               |                                         |                                       |                                   |                                                 |                                                            |                                             |                                            |                                   |                                          |                                |                                        |                                          |                                     |                                             |                                           |                                   |                                      |                                  |                                  |                                           |                                  |                                     |                                        |                                     |                                 |                              |                                              |                                             |                                                          |                                       |                                  |                                     |                                              |                                        |                                      |                                                |                                           |                                           |                                                |               |  |
|--------------------------------------------------------------|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------|-----------------------------------|--------------------------------------------------------------------------------------------------------------------|---------------------------------|----------------------------------------|---------------------------------------------|-----------------------------------|---------------------------------------|------------------------------------------------|------------------------------------|--------------------------------|-----------------------------------------------|----------------------------------------|-----------------------------------|---------------------------------|-----------------------------------------------|-------------------------------|-----------------------------------------|---------------------------------------|-----------------------------------|-------------------------------------------------|------------------------------------------------------------|---------------------------------------------|--------------------------------------------|-----------------------------------|------------------------------------------|--------------------------------|----------------------------------------|------------------------------------------|-------------------------------------|---------------------------------------------|-------------------------------------------|-----------------------------------|--------------------------------------|----------------------------------|----------------------------------|-------------------------------------------|----------------------------------|-------------------------------------|----------------------------------------|-------------------------------------|---------------------------------|------------------------------|----------------------------------------------|---------------------------------------------|----------------------------------------------------------|---------------------------------------|----------------------------------|-------------------------------------|----------------------------------------------|----------------------------------------|--------------------------------------|------------------------------------------------|-------------------------------------------|-------------------------------------------|------------------------------------------------|---------------|--|
| Work Order: _____<br><br>Part No. _____<br><br>NCR No. _____ |                                             | <b>DISPOSITION</b><br><br>Rework <input type="checkbox"/><br>Scrap <input type="checkbox"/><br>Use-as-is <input type="checkbox"/><br>Suspected Unapproved <input type="checkbox"/> |                                           | <b>AGAINST DEPARTMENT/PROCESS</b><br><br><div style="display: flex; justify-content: space-between;"> <div>           Skid-tube <input type="checkbox"/><br/>           Machining <input type="checkbox"/><br/>           Thermoforming <input type="checkbox"/><br/>           Large Fab <input type="checkbox"/> </div> <div>           Cross tube <input type="checkbox"/><br/>           Small Fab <input type="checkbox"/><br/>           Finishing <input type="checkbox"/><br/>           Composite <input type="checkbox"/> </div> <div>           Water Jet <input type="checkbox"/><br/>           Prod. Eng. Coord. <input type="checkbox"/><br/>           Rec/Store/Packaging <input type="checkbox"/><br/>           Supplier <input type="checkbox"/> </div> <div>           Engineering <input type="checkbox"/><br/>           Quality <input type="checkbox"/><br/>           Other <input type="checkbox"/> </div> </div> |                                           |                                 |                                   |                                                                                                                    |                                 |                                        |                                             |                                   |                                       |                                                |                                    |                                |                                               |                                        |                                   |                                 |                                               |                               |                                         |                                       |                                   |                                                 |                                                            |                                             |                                            |                                   |                                          |                                |                                        |                                          |                                     |                                             |                                           |                                   |                                      |                                  |                                  |                                           |                                  |                                     |                                        |                                     |                                 |                              |                                              |                                             |                                                          |                                       |                                  |                                     |                                              |                                        |                                      |                                                |                                           |                                           |                                                |               |  |
| Date :                                                       |                                             | Step #:                                                                                                                                                                            |                                           | QTY Effective :                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                           |                                 |                                   | MRB (QSI042) Approval                                                                                              |                                 |                                        |                                             |                                   |                                       |                                                |                                    |                                |                                               |                                        |                                   |                                 |                                               |                               |                                         |                                       |                                   |                                                 |                                                            |                                             |                                            |                                   |                                          |                                |                                        |                                          |                                     |                                             |                                           |                                   |                                      |                                  |                                  |                                           |                                  |                                     |                                        |                                     |                                 |                              |                                              |                                             |                                                          |                                       |                                  |                                     |                                              |                                        |                                      |                                                |                                           |                                           |                                                |               |  |
| Description Work Order Deviation                             |                                             |                                                                                                                                                                                    |                                           | Disposition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                           |                                 |                                   | Completed By<br><br><br>Lead hand / Supervisor<br>Approval Verification<br><br><br>QC / QA Coordinator<br>Approval |                                 |                                        |                                             |                                   |                                       |                                                |                                    |                                |                                               |                                        |                                   |                                 |                                               |                               |                                         |                                       |                                   |                                                 |                                                            |                                             |                                            |                                   |                                          |                                |                                        |                                          |                                     |                                             |                                           |                                   |                                      |                                  |                                  |                                           |                                  |                                     |                                        |                                     |                                 |                              |                                              |                                             |                                                          |                                       |                                  |                                     |                                              |                                        |                                      |                                                |                                           |                                           |                                                |               |  |
|                                                              |                                             |                                                                                                                                                                                    |                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                           |                                 |                                   |                                                                                                                    |                                 |                                        |                                             |                                   |                                       |                                                |                                    |                                |                                               |                                        |                                   |                                 |                                               |                               |                                         |                                       |                                   |                                                 |                                                            |                                             |                                            |                                   |                                          |                                |                                        |                                          |                                     |                                             |                                           |                                   |                                      |                                  |                                  |                                           |                                  |                                     |                                        |                                     |                                 |                              |                                              |                                             |                                                          |                                       |                                  |                                     |                                              |                                        |                                      |                                                |                                           |                                           |                                                |               |  |
|                                                              |                                             |                                                                                                                                                                                    |                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                           |                                 |                                   |                                                                                                                    |                                 |                                        |                                             |                                   |                                       |                                                |                                    |                                |                                               |                                        |                                   |                                 |                                               |                               |                                         |                                       |                                   |                                                 |                                                            |                                             |                                            |                                   |                                          |                                |                                        |                                          |                                     |                                             |                                           |                                   |                                      |                                  |                                  |                                           |                                  |                                     |                                        |                                     |                                 |                              |                                              |                                             |                                                          |                                       |                                  |                                     |                                              |                                        |                                      |                                                |                                           |                                           |                                                |               |  |
| Root Cause                                                   |                                             | FAULT CATEGORY                                                                                                                                                                     |                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                           |                                 |                                   |                                                                                                                    |                                 |                                        |                                             |                                   |                                       |                                                |                                    |                                |                                               |                                        |                                   |                                 |                                               |                               |                                         |                                       |                                   |                                                 |                                                            |                                             |                                            |                                   |                                          |                                |                                        |                                          |                                     |                                             |                                           |                                   |                                      |                                  |                                  |                                           |                                  |                                     |                                        |                                     |                                 |                              |                                              |                                             |                                                          |                                       |                                  |                                     |                                              |                                        |                                      |                                                |                                           |                                           |                                                |               |  |
| Environment <input type="checkbox"/>                         | No Re-verification <input type="checkbox"/> | Pressure/Forced <input type="checkbox"/>                                                                                                                                           | Temperature/Cure <input type="checkbox"/> | Power Loss/Surge <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Positioned Wrong <input type="checkbox"/> | Design <input type="checkbox"/> | Operator <input type="checkbox"/> | Bending <input type="checkbox"/>                                                                                   | Set-up <input type="checkbox"/> | Folio/Program <input type="checkbox"/> | Outside Dimensions <input type="checkbox"/> | Doc/Data <input type="checkbox"/> | Offset/Setup <input type="checkbox"/> | Centre Not Concentric <input type="checkbox"/> | BOM/Route <input type="checkbox"/> | Grain <input type="checkbox"/> | Over/Under tolerance <input type="checkbox"/> | Equip/Tooling <input type="checkbox"/> | Supplier <input type="checkbox"/> | Cracks <input type="checkbox"/> | Broken/Damage/Defect <input type="checkbox"/> | Weld <input type="checkbox"/> | Part Incorrect <input type="checkbox"/> | Handling/Pre <input type="checkbox"/> | Training <input type="checkbox"/> | Crimp/Kink/Ripple/Wave <input type="checkbox"/> | Inspection Incomplete/Unqualified <input type="checkbox"/> | Wrong Stock Pulled <input type="checkbox"/> | Part Lost/Missing <input type="checkbox"/> | Material <input type="checkbox"/> | Use for Testing <input type="checkbox"/> | Cuffs <input type="checkbox"/> | Contamination <input type="checkbox"/> | Out of Sequence <input type="checkbox"/> | Part Moved <input type="checkbox"/> | Internal Transport <input type="checkbox"/> | Poor Information <input type="checkbox"/> | Crushing <input type="checkbox"/> | Countersink <input type="checkbox"/> | Off-set <input type="checkbox"/> | Drawing <input type="checkbox"/> | Tribal Knowledge <input type="checkbox"/> | Rushing <input type="checkbox"/> | Heat Treat <input type="checkbox"/> | Cut Too Short <input type="checkbox"/> | Mislabeled <input type="checkbox"/> | Finish <input type="checkbox"/> | LOA <input type="checkbox"/> | Product Improvement <input type="checkbox"/> | Wave/Twist in Tube <input type="checkbox"/> | Instructions Incomplete/Unclear <input type="checkbox"/> | Fit/Function <input type="checkbox"/> | Misread <input type="checkbox"/> | Substation <input type="checkbox"/> | Process Improvement <input type="checkbox"/> | Marks/Chatter <input type="checkbox"/> | Drill Holes <input type="checkbox"/> | Misaligned/off center <input type="checkbox"/> | Turning Sequence <input type="checkbox"/> | Past Expiry Date <input type="checkbox"/> | Manufacturing Process <input type="checkbox"/> | OTHER : _____ |  |
| Misidentified <input type="checkbox"/>                       | Past Due <input type="checkbox"/>           |                                                                                                                                                                                    |                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                           |                                 |                                   |                                                                                                                    |                                 |                                        |                                             |                                   |                                       |                                                |                                    |                                |                                               |                                        |                                   |                                 |                                               |                               |                                         |                                       |                                   |                                                 |                                                            |                                             |                                            |                                   |                                          |                                |                                        |                                          |                                     |                                             |                                           |                                   |                                      |                                  |                                  |                                           |                                  |                                     |                                        |                                     |                                 |                              |                                              |                                             |                                                          |                                       |                                  |                                     |                                              |                                        |                                      |                                                |                                           |                                           |                                                |               |  |